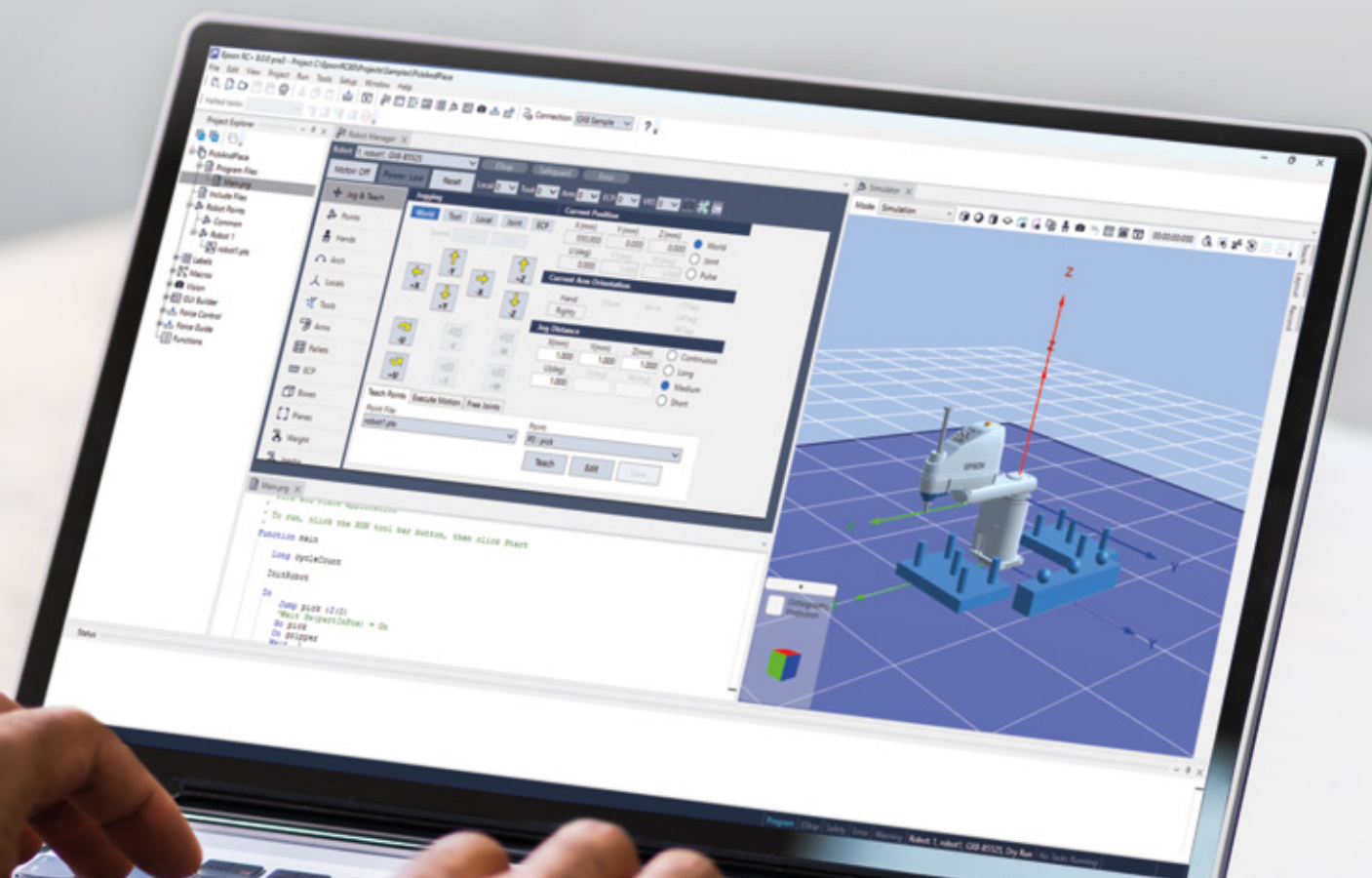


RC+ 8.0 Software

Epson RC+ 8.0 Robot programming software

Simplify robot programming
with intuitive software



EPSON[®]

Time-saving programming

Develop highly effective robot control programs with ease using Epson RC+ 8.0 software. For robot setup, operation and regular maintenance, Epson RC+ 8.0 is all you need.

The latest updated version of the Epson RC+ software supports everything in RC+, from creation, through development and to maintenance in a standardised platform that delivers seamless usability.

Develop the control programs you need to maximise productivity and minimise programming overheads.

Simplify your programming

Epson RC+ 8.0 brings you cutting-edge performance in a single, simple-to-operate solution.

Get started easily

A refreshed user interface design makes editor, simulator and GUI builder functions easier to handle. You can use program templates to get going quickly with simple, line-based programming.

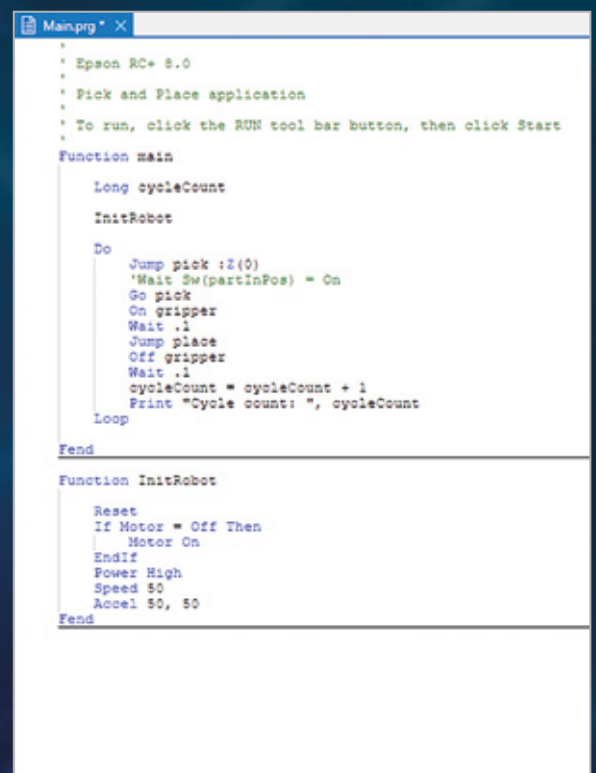
Create sophisticated applications quickly

Build both complex and simple applications with intuitive commands, syntax assist, and much more with SPEL+ text-based programming language.

Choose from over 500 commands that include motion functions, I/O control, variables and data types, and program control.

Keep in control

Identify issues quickly with an integrated debugger. Check variables and their values and set break points. Minimise the risk of errors with a colour-coded syntax checking Editor.



```

Main.prg * X
*
* Epson RC+ 8.0
* Pick and Place application
* To run, click the RUN tool bar button, then click Start
*
Function main
  Long cycleCount
  InitRobot

  Do
    Jump pick :Z(0)
    'Wait Sw(partinPos) = On
    Go pick
    On gripper
    Wait .1
    Jump place
    Off gripper
    Wait .1
    cycleCount = cycleCount + 1
    Print "Cycle count: ", cycleCount
  Loop

Fend

Function InitRobot
  Reset
  If Motor = Off Then
    Motor On
  EndIf
  Power High
  Speed 50
  Accel 50, 50
Fend

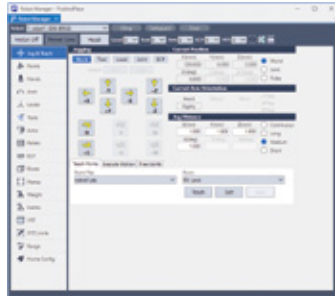
```

Build programs intuitively

Interface seamlessly as you build programs thanks to intuitive nature of Epson RC+ 8.0.

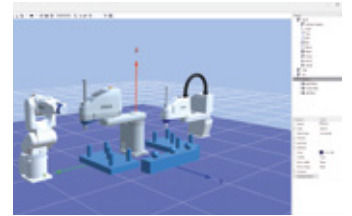
Automate with ease using Robot Manager

Simplify automation tasks with the Robot Manager and Jog & Teach dialogue.



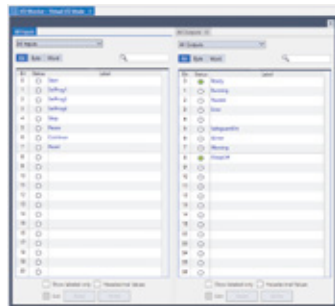
Fine-tune on a 3D Simulator

Build and fine-tune applications offline with the integrated 3D Simulator, before your hardware has even arrived.



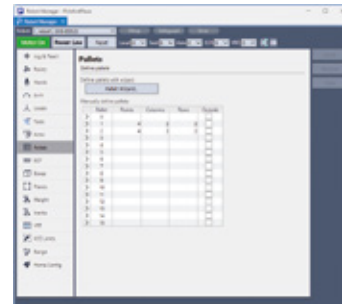
Monitor activity from the I/O screen

Check inputs and outputs easily on the I/O monitor screen. Whether it's digital, analogue memory or remote I/Os, you will have everything under control.



Learn as you go with wizards and guides

Learn as you build with our handy teach points, tools and pallets. Develop your programming confidence with our easy-to-use step-by-step wizards.



Control your robot solution

Epson RC+ 8.0 offers fully integrated options, including Vision Guide, Part Feeding Guide, Force Sensing Guide, and more. Interface all components with each other simply in a single development environment using one programming language.

Everything on a single platform

Robot manager Options Software licences



Unlock your robots' full potential

Epson RC+ 8.0 brings feature-rich choices for developing robot programs. Our all-in-one management tools put you in control – quickly.

SPEL+

Learn as you build with this easy-to-learn text-based language that offers over 500 commands for creating both simple and complex applications. Quickly master what you need to do with straightforward program templates.

Robot Manager

Choose from the range of Robot Manager functions to create your own single system with an intuitive graphic interface. Robot Manager functions include:

- Jog & Teach
- Point Editor
- Gripper & Tool settings
- Pallet wizard
- Coordinate settings
- Robot settings
- And more

Built-in 3D Simulator

Develop and fine-tune your application with the integrated 3D Simulator. The Built-in 3D Simulator includes:

- Robot application simulation
- Offline program validation with integrated robot collision detection
- Virtual teaching, Direct Teach, CAD-to-Point teaching
- Verification of the robot cycle time
- Vision guide connection of virtual camera
- Output of the simulation as video (MP4)
- Integration of machine environment CAD formats

Robot option guides

Boost your programming skills with these helpful guides:

- Vision Guide
- Part Feeding Guide
- Force Guide
- GUI Builder

Predictive maintenance

Set up maintenance reminder alarms that suit you for both the robot and controller. Receive alerts based on the status of key components, including battery levels, greasing, brakes and ball screw splines.

Multitasking function

Automate complex processes with ease by leveraging multitasking functions in Epson RC+ 8.0 software. Select up to 32 individual tasks to execute and control in a single program.

System control

Keep on top of your programming with easy-to-access on-screen information detailing system operations.

This includes:

- I/O monitoring
- Debug functions
- Controller software tools
- System history
- Robot system back-up function
- Task manager



Epson robot and options products portfolio

Epson RC+8.0 is the programming tool for Epson robots and options. This latest version supports the integrated RC+ environment with improved usability and retains full compatibility even with users' legacy programs.



Force Sensing System

Smooth action in force-guided operations



Integrated software tools

Vision Guide
Force Guide
Part Feeding Control
GUI Builder
etc.



Teach Pendant

Easy and safe robot controlling



Integrated image processing with Epson Compact Vision System

Measurement
Quality inspection
Error detection
Parts positioning
Tracking on conveyors



Communication and I/O Boards

Optional fieldbus, digital and analog I/O cards.



Part Feeding System

To separate or singulate the parts for the robot to pick up.



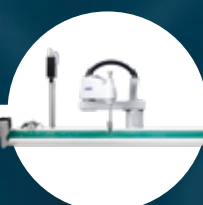
Euromap67 Option

To provide interchangeability between injection moulding machine and the handling robot.

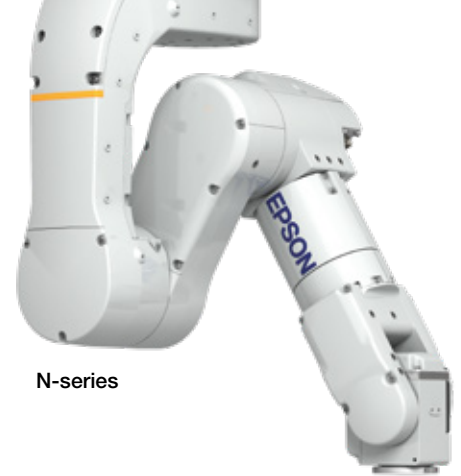


High-speed conveyor tracking

Enables high-precision synchronisation with moving objects.



Choose your robot to build a tailor-made solution



N-series

C-series



VT-series



T-series



G-series



RS-series

Build your programs effortlessly based on the outstanding compatibility of Epson RC+ 8.0 software.

Robot compatibility

SCARA: T-B series, LS-B series, G-series, GX-series, RS-series

6-axis: VT-series, C-series, N-series

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